

6-13-00

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UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)*(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
87552.081500/SE-1539IP.A

Total Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

and invented by:

Michael M. Walters, Charles E. Hawkes, Robert H. IshamIf a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 16 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☒ Cross References to Related Applications *(if applicable)*
 - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 - d. ☐ Reference to Microfiche Appendix *(if applicable)*
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings *(if drawings filed)*
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☐ Formal Number of Sheets _____
- b. ☒ Informal Number of Sheets 1
4. ☒ Oath or Declaration
- a. ☒ Newly executed *(original or copy)* ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.
6. ☐ Computer Program in Microfiche *(Appendix)*
7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy *(identical to computer copy)*
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers *(cover sheet & document(s))*
9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
10. ☐ English Translation Document *(if applicable)*
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EL407177856US

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Total Pages in this Submission

Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. ☐ Additional Enclosures (please identify below):

Fee Calculation and Transmittal

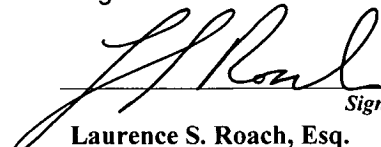
CLAIMS AS FILED

| For | #Filed | #Allowed | #Extra | Rate | Fee |
|--|--------|----------|--------|-----------|----------|
| Total Claims | 18 | - 20 = | 0 | x \$18.00 | \$0.00 |
| Indep. Claims | 3 | - 3 = | 0 | x \$78.00 | \$0.00 |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/> | | | | | \$0.00 |
| BASIC FEE | | | | | \$690.00 |
| OTHER FEE (specify purpose) | | | | | \$0.00 |
| TOTAL FILING FEE | | | | | \$690.00 |

- ☒ A check in the amount of \$690.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 10-0223 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: June 12, 2000

cc:


Signature

Laurence S. Roach, Esq.
Reg. No. 45,044
Jaekle Fleischmann & Mugel, LLP
39 State Street
Rochester, NY 14614-1310
Tel: (716) 262-3640
Fax: (716) 262-4133

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1

Applicant(s): Michael M. Walters, et al.

Docket No.

87552.081500/SE-1539IP.A

Serial No.

TBA

Filing Date

Herewith

Examiner

Unknown

Group Art Unit

Unknown

Invention: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

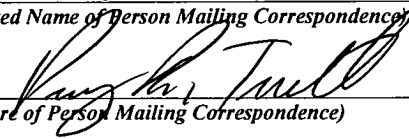
I hereby certify that the following correspondence:

Utility Patent Application Transmittal Letter (3 pgs)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under

37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

June 12, 2000*(Date)*Penny R. Turrell*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)*EL407177856US*("Express Mail" Mailing Label Number)*

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Applicant(s): Michael M. Walters, et al.

Docket No.

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Examiner

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Group Art Unit

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Invention: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

Jc498 U.S. PTO
09/591404
06/12/00

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One (1) Sheet of Informal Drawings (Identified)

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Invention: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

1c498 U.S. PTO
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I hereby certify that the following correspondence:

Specification, Claims & Abstract (16 pgs)

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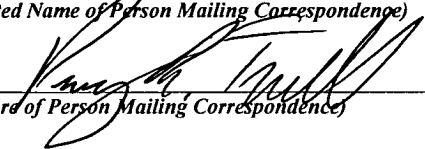
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Group Art Unit

Unknown

Invention: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

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09/591404
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Assignment w/Recordation Form Cover Sheet and \$40.00 Check (5 pgs)

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June 12, 2000*(Date)*Penny R. Turrell*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)*EL407177856US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

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Docket No.

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UnknownInvention: **MULTI-PHASE CONVERTER WITH BALANCED CURRENTS**1c198 U.S. PTO
09/591404
06/12/00

I hereby certify that the following correspondence:

Combined Declaration/Power of Attorney (Executed) (3 pgs)*(Identify type of correspondence)*

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June 12, 2000*(Date)***Penny R. Turrell***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL407177856US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**